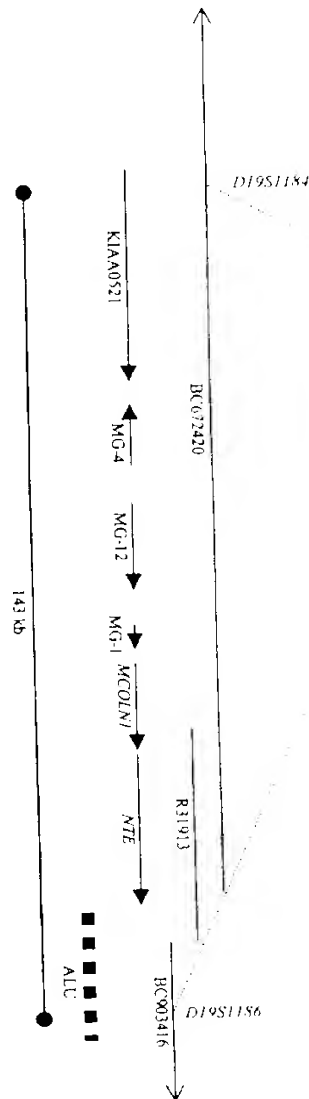


FIGURE 1A

Transcript map



Physical Map

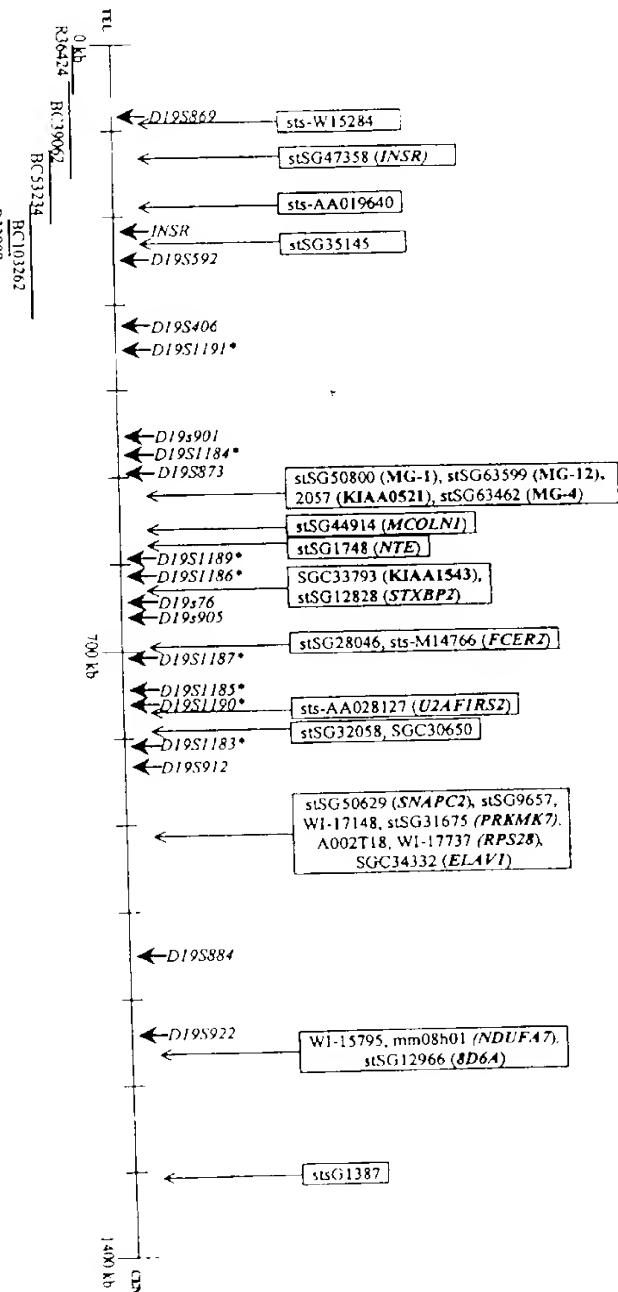


Fig. 1B

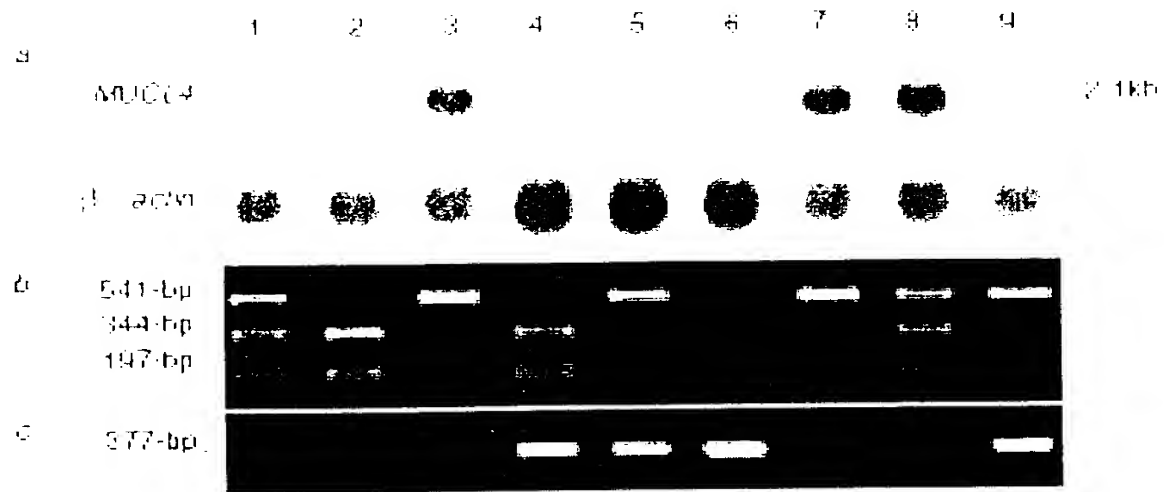


FIGURE 2

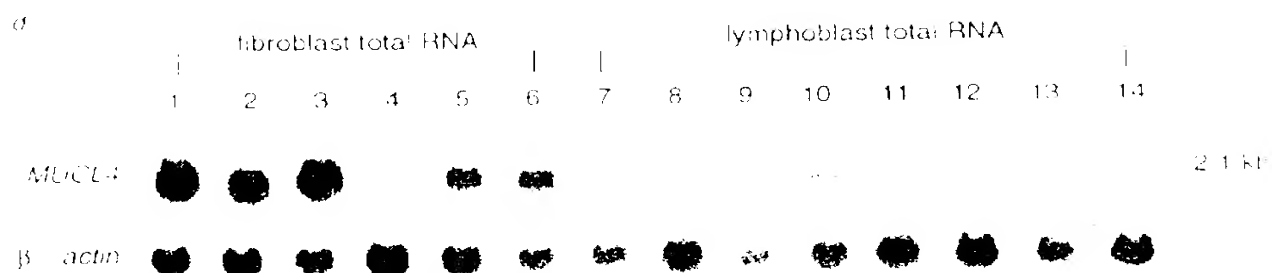


Figure 2

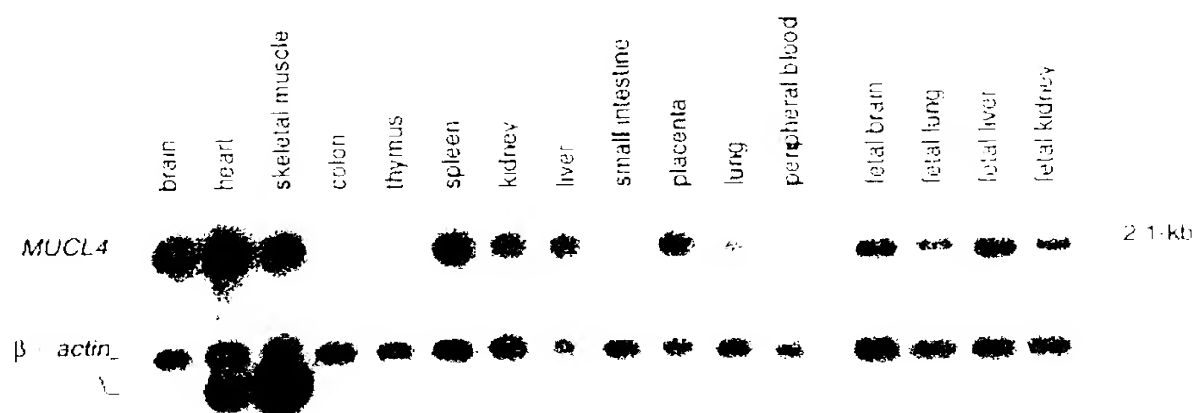


FIGURE 3

1.....MTAPACPRGSEIERLLTENPGYCTOAGPSP...APPTPPEDDARRRLK
 BAA91951* 1.....MADEEVVVCSSSHEENRCNENQTSSES.....EELLPEOMRRRLK
 AAF49118 1MQSYGPGAQTAPAVKRRTDSYEAQQQQQSPESDEEYVNTIRLRQVQLQSTPAPVVPPI SAGSGTAPSVDCREHQEFPGSSAASYQEEEMRRKIQ

47FEEMSODKERRAKRKPCKLMEQWVKLAVTVOLEFGLSNOIAVTEEENTIAEHLFLCYSDG.....ADDFAVTRBQVQAFEFVADQYDA
 BAA91951 44EFFMNPCEKEWAKRKPCKLADQIKTAATVVOLEFGLSNOIAVTEEENTIAEHLFLKGMADR.....MDDVAVYTQSDVDOLEFVNOYLLQ
 AAF49118 101EFFMNPCEKEWAKRKPCKLMEQWVKLAVTVOLEFGLSNOIAVTEEENTIAEHLFLCYSDG.....ADDFAVTRBQVQAFEFVADQYDA

139LPDVSHGRYAVVRGCGDPWNGSGALCOPTVHRCHDDEANDTFDIDA VVTCIQVDPPEPPPPSPDDLTUESSSSYNLTKHFKLVNVTHERLKK
 BAA91951 136LYNVSNGHAYENK.....TKOSAVATCOHAYKRGNEHENDTFDIDFIECEFEVEPDE.....PHIGTPAENKCLNLTDFHLLAVELCEKLLK
 AAF49118 200VS.RSEGPDYDPTPN.....NTMPPKLGLOQNYEECTIEGENESYITDPHIDEVGERPEPNT.....TIGVENYLFQDDVEVNEBASLVSACIETEK K

239TINLOSHIN.NEMPDCTYTESMLTFEDNKAHSGRIPISETOAHIOECK.....HPSVTOHGDNSSEHEDVWILTCSSLMWLCARSLRGCELLQNEVCGEM
 BAA91951 224AINLOKWRH.QEPPDCTYDEWATVTFEDNKAHSGRIKISIDNIETRECKOW.HVSSIOKNHAXEEDAFVILTCIYSLICRSVTRGLOQOEEVNEF
 AAF49118 287TYNFKANGGPLSAPDCEREDTSTWENNEDDGOMLISIDAEATRLKCHGATDFISDANEDSMLRSWLNFEVLTCLNLSFALCTRALMRNLLRCITVNEF

335WRQCGVLSMWERLAEVNGWYIMVITSDVLTISGIMYKICTEAKNTAS.....YDVCSILGTSTULAVWGVIRLTTEPHNMLIATLEVALPSPVARECCCV
 BAA91951 322LLHKKKSSVSPQEEVNGWYVITLISDLEIGSILKKEICAKSITS.....YDVCSILGTSTULAVWGVIRYLGFPAKMLLITLOALBNVARECCCA
 AAF49118 387RSQEGKESFDGRLEEVNFWYIMVITSDVLTISGIMYKICTEAKNTAS.....YDVCSILGTSTULAVWGVIRYLGFPAKMLLITLOALBNVARECCCA

433AVIYLYGCECCMIVLGPYHVKERSISWSECLFSLINGDDMEVTEAQAQQCSLAWLFSQIYXSFISLFYIMVLSLFIATITCAXDTIKHPGGAGA
 BAA91951 420AVIYLYGCECGMIVLGPYHVKERSINWSECLFSLINGDDMEVTEAQAQQCSLAWLFSQIYXSFISLFYIMVLSLFIATITCAXDTIKHPGGAGA
 AAF49118 487LITVAGEVECCGMEILGPYHVKERSIATTSCECLFSLINGDDMEVTEAQAQQCSLAWLFSQIYXSFISLFYIMVLSLFIATITCAXDTIKHPGGAGA

533ESELQANINQCO.DSEFSGKERRCGG.....SACSLPCCCGRDPSEHSLLVN.....
 BAA91951 517EETELITFISECK.DLENSGKVRLEDD.....PPVSLPCCCKK.....
 AAF49118 584ETOLKARVGTRTAEDISSGVEMTDUDDFDQTSFLDVVKSLPCCCGRCGRHOEPAQPSGYTSLSSIMK

Figure 4A

PKD2 vs. Mucolipin Hydrophobicity Plot

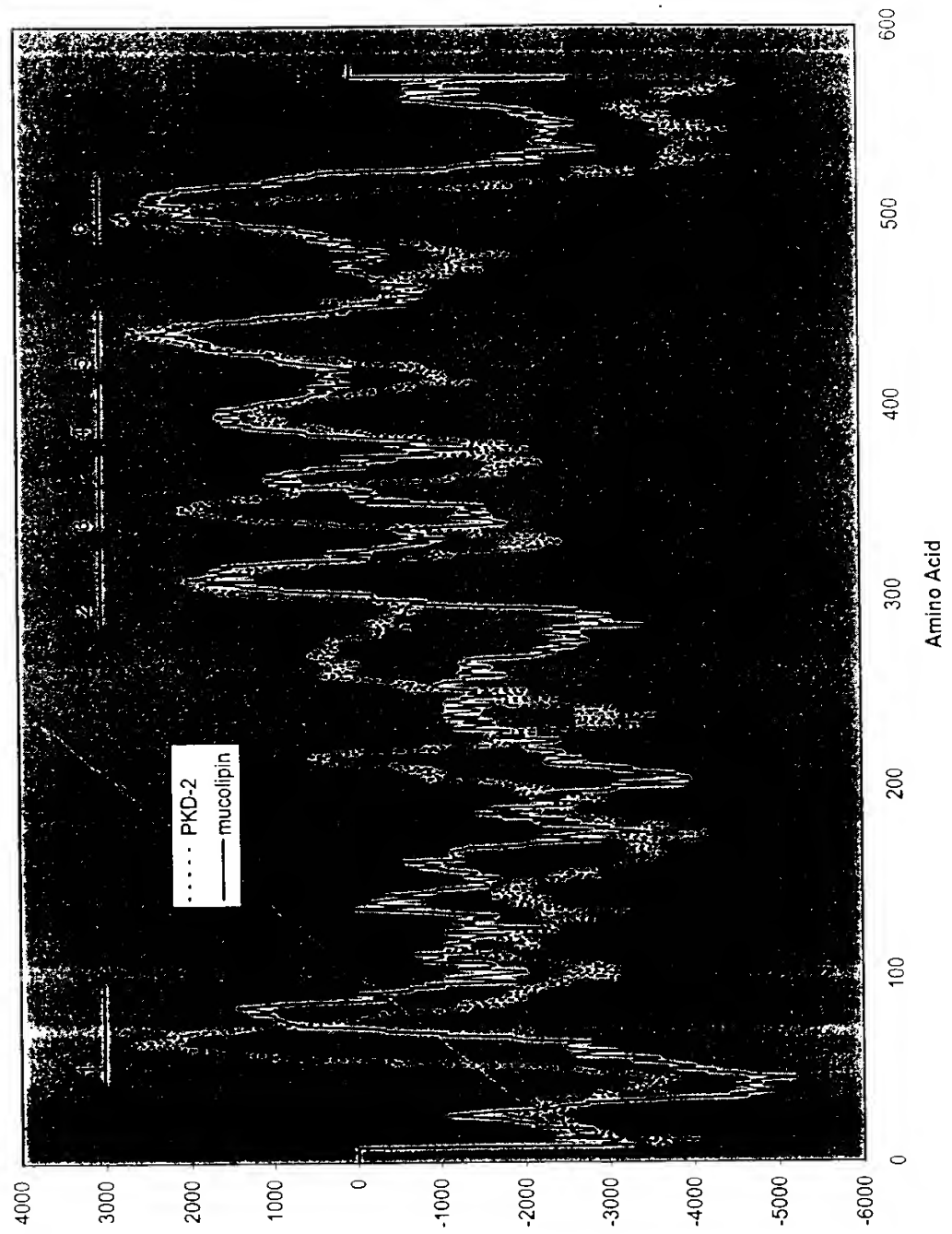


Figure 4B